0000000 27 000

 $1002021 \bullet 0000000 \ M = \{\alpha \mid f(\alpha) = 0\}_{\square} \ N = \{\beta \mid g(\beta) = 0\}_{\square \square \square \square} \ \alpha \in M_{\square} \ \beta \in N_{\square \square \square} \ | \ \alpha \vdash \beta \mid n_{\square \square \square \square} \ f(x) = 0\}_{\square \square \square} \ A = \{\alpha \mid f(\alpha) = 0\}_{\square \square \square} \ A = \{\alpha \mid f(\alpha) = 0\}_{\square} \ N = \{\beta \mid g(\beta) = 0\}_{\square} \ \alpha \in M_{\square} \ \beta \in N_{\square} \ \alpha \vdash \beta \mid n_{\square} \$

$$\mathbf{A} \begin{bmatrix} \frac{1}{\vec{e}} & \frac{4}{\vec{e}} \end{bmatrix}$$

$$\operatorname{Bh}^{(\frac{1}{e_{\prod}}\frac{4}{e^{*}}]}$$

$$\mathbf{A}_{\square}^{\square} (\frac{1}{e^{!}} \, \underline{\overset{4}{e}}] \qquad \qquad \mathbf{B}_{\square}^{\square} (\frac{1}{e} \, \underline{\overset{4}{e^{!}}}] \qquad \qquad \mathbf{C}_{\square}^{\square} (\frac{4}{e^{!}} \, \underline{\overset{2}{e}}) \qquad \qquad \mathbf{D}_{\square}^{\square} (\frac{4}{e^{!}} \, \underline{\overset{2}{e^{!}}})$$

$$\mathbf{D} = \begin{bmatrix} \frac{4}{e^3} & \frac{2}{e^3} \end{bmatrix}$$

oooooooooooooo $I(t)=e^t$ ooooooooI(t)oootooooooooooooooooI(t)ooo

 $)(1n2 \approx 0.69)$

A□1.2 □

B[]1.8[]

C□2.5 □

 $3002021 \, \, 0 \bullet 0000000000 \, f(x) = e^{x} - ax^{2} + 2ax_{00000000} \, a_{0000000} \, ()$

$$\mathbf{B}_{\square}^{(\frac{e}{2}_{\square}+\infty)}$$

$$A_{\square}^{(\mathcal{C}_{+}+\infty)} \qquad \qquad B_{\square}^{(\frac{\mathcal{C}}{2}_{\square}^{+\infty})} \qquad \qquad C_{\square}^{(\mathcal{C}_{\square}^{\dagger}^{+\infty})} \qquad \qquad D_{\square}^{(\frac{\mathcal{C}}{2}_{\square}^{+\infty})}$$

$$D_{\square}^{(\frac{\vec{e}}{2}_{\square}^{+\infty})}$$

$$\mathbf{B}_{\square}^{(0,\frac{1}{3})}$$

$$C\Box^{(1,+\infty)}$$
 $D\Box^{(\frac{1}{3}\Box^{+\infty})}$

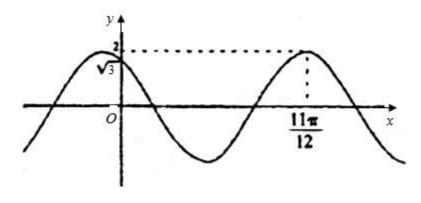
 $A \square 1$

B_□2

 $C \square 4$

D[]6

0000 y = g(x) 000000000



A \bigcirc 4 B \bigcirc 3 C \bigcirc 2 D \bigcirc 1 M=1 3 N=1 4 f $M \rightarrow N$ 41 f) H2 f

$$)_{\Box} C(3_{\Box} f_{\Box 3\Box})_{\Box} \Delta ABC_{\Box 0\Box 0\Box 0\Box 0} D_{\Box 0} DA + DC = yDB(y \in R)_{\Box 0\Box 0\Box 0\Box 0\Box 0} f(x)_{\Box} ()$$

A□6 □

B[]10 []

C[]12 []

DП16 Г

 $\frac{1}{16}\pi^2$

 $\operatorname{CH}^{\frac{1}{8}\pi^2}$

 $0\Pi^{\frac{13}{16}\pi^2}$

 $3013011130311301321130 \cdots 0 \xrightarrow{A_{000}} \xrightarrow{n_{000}} \xrightarrow{a_{n_0}} \xrightarrow{A_{000}} \xrightarrow{n_{000}} \xrightarrow{b_{n_000}} \xrightarrow{i_0} \xrightarrow{j \in [2_0 9]} \xrightarrow{0} \xrightarrow{c_n} = a_n - b_n \mid_{00} \{c_n\}$

$$\mathbf{A} \square^{2n|i-j|} \qquad \mathbf{B} \square^{n(i+j)} \qquad \mathbf{C} \square^{n|i-j|} \qquad \frac{1}{\mathbf{D}} \square^{\frac{1}{2}|i-j|}$$

 $10002021 \, \, \Box \bullet \, 0000000 \, \, a = 4 \ln 5^{\scriptscriptstyle \top} \, \Box \, b = 5 \ln 4^{\scriptscriptstyle \top} \, \Box \, c = 5 \ln 4^{\scriptscriptstyle 4} \, \Box \, a \, \Box \, b \, \Box \, c \, 000000 \, \, (\qquad)$

 $A \sqcap a < b < c$

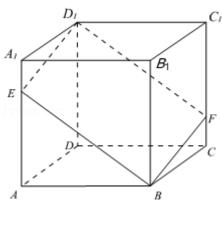
 $B \square b < c < a$

 $C \square b < a < c$ $D \square c < b < a$

 $\ \, \text{3 on} \, \, ^{BFD_{1}E} \text{bounded} \, \, ^{BB_{1}D} \text{b}$

 $\textcircled{a} \ \square \ ^{D_iF_{\square}} \ DC_{\square \square \square \square \square} \ M_{\square} \ ^{D_iE_{\square}} \ DA_{\square \square \square \square \square} \ N_{\square} \ M_{\square} \ N_{\square} \ B_{\square \square \square \square}$

(S) 000 ^R - BFD ^E 0000000



 $A \square 2$ B∏3 $C \square 4$

D[]5

oooooo $f(\mathbf{X})$ o Dooooo Ψ m ooooo

②
$$f(x) = 3^x$$

$$\exists f(x) = \log_3 x_{\square}$$

$$f(x) = \tan x_{\square}$$

 ${\scriptstyle 0000000000000} \Psi_{m0000000} (\hspace{1cm})$

A \square 1 B \square 2 C \square 3 D \square 4

 $2\sin^2 x - (\lambda + 1)\sin x + 1 = 0 \quad [0 \quad 2\tau) \quad 000000000 \quad \lambda \quad 000000 \quad 0$

$$\mathbf{A} \square \lambda = 2\sqrt{2} - 1 \square \lambda = 2$$

$$C \square^{\lambda} = -2$$

$$\mathbf{D}_{\square}\lambda < -4_{\square}\lambda = -2\sqrt{2}-1$$

 $\begin{array}{c} \left\{2 X-\ y-\ 6,\ 0 \\ X-\ y+2..0 \end{array}\right. \\ \left\{0 X-\ y+2..0 \right. \\ \left$

 $OM \cdot ON_{00000} \stackrel{5}{400} = \stackrel{1}{a} + \stackrel{1}{b}_{00000} ()$

$$A \square \frac{25}{6}$$

$$\mathbf{B} \square \frac{9}{4}$$

$$D \square 4$$

$$\mathbf{A} \Box f(x) = \ln(|x| + 1)$$

$$\mathbf{B}_{\square} f(\mathbf{X}) = \mathbf{X}^1$$

$$f(x) = \begin{cases} x^2 + 2x(x,0) \\ -x^2 + 2x(x<0) \end{cases}$$

$$f(x) = \begin{cases} 2^{x}, (x < 0) \\ 0, (x = 0) \\ -(\frac{1}{2})^{x}, (x > 0) \end{cases}$$

 $f(x) = 2\cos^{2}(\omega x - \frac{\pi}{12}) - \frac{1}{2}(\omega > 0) \quad [0 \quad \pi] \quad [0 \quad$

$$\mathbf{A}_{\square}^{[\frac{41}{12}_{\square}\frac{15}{4})}$$

$$C_{\square}^{(\frac{41}{12}_{\square}\frac{15}{4}]}$$

$$D_{\Box}^{[\frac{49}{12}_{\Box}^{23}]}$$

 $17002021 \, \, 0 \cdot 0000000 \, \, ^{X_{0000}} \, ^{MX^{2}} \, \cdot \, \, ^{a_{X^{-}}} \, 1 > 0 (m > 0) \, _{000000} \, (\hspace{1cm})$

$$\mathsf{A}_{\square}^{\{X\mid X<\,-\,1}_{\square}^{X>\,\frac{1}{4}\}}\;\;\mathsf{B}_{\square}^{R}$$

$$C \square {X \mid -\frac{1}{3} < x < \frac{3}{2}}$$
 $D \square \oslash$

 $18002021 \bullet 0000000000 R_{00000} f(x)_{000} f(x+4) = f(x)_{000} 0, \ x, \ 2_{00} f(x) = min\{-x^2 + 2x_0^2 - x\}_{000} f(x) = min\{-x^2 + 2x$

$$\mathbf{A}_{\square}^{[-\frac{3}{2},-\frac{2}{3}] \cup [-\frac{1}{3},\frac{1}{2}]}$$

$$\mathbf{B}_{\square}^{-}(-\frac{3}{2},-\frac{2}{3})\cup(-\frac{1}{3},\frac{1}{2})$$

$$\mathbf{C}_{\square}^{}(^{-\frac{3}{2},-\frac{2}{3}}] \cup [-\frac{1}{3},\frac{1}{2})$$

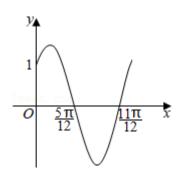
$$\mathbf{D} \cap \begin{bmatrix} -\frac{3}{2}, -\frac{2}{3} \end{bmatrix} \cup \begin{bmatrix} -\frac{1}{3}, \frac{1}{2} \end{bmatrix}$$

f(2019) = (

B∏0

C□¹⁻ *e* D□2021

()



 $\mathbf{A} \square \square \square \square \square \square \square \square \square 2 \tau$

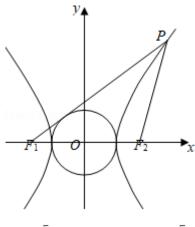
 $\varphi = \frac{\pi}{3}$

 $\mathbf{B}\square\,\omega=2$

$$D \square A = \frac{3}{2}$$

 $ABB_{|A|}=n_{\square\square}\,m_{\square}\,n_{\square\square\square\square\square\square\square\square}(\qquad)$

 $x^2 + y^2 = a^2_{0000} | PF_2 | | F_1F_2 |_{0000000000} e_0$ ()



 $\begin{array}{ccc}
\frac{17}{15} & & \frac{17}{16} \\
D_{\square} & & & \end{array}$

 $23002021 \bullet 0001000 \ f(x) \ 0^{(-\infty,+\infty)} \ 000000000000 \ f_{010} = -1_{0000} \ -1, \ f(x-2), \ 1_{0} \ x_{000000} \ (0)$

 $\mathbf{A}_{\square}^{[-2}_{\square}^{2]} \qquad \mathbf{B}_{\square}^{[-1}_{\square}^{1]} \qquad \mathbf{C}_{\square}^{[0}_{\square}^{4]} \qquad \mathbf{D}_{\square}^{[1}_{\square}^{3]}$

 $\mathbf{A}_{\square}^{\,(\text{-}\,\infty\,\square^{\text{-}}\,1)} \,{\,\cup\,\,} (0_{\,\square}^{\,1})$

 $\mathbf{B}_{\square}^{(-1}_{\square}^{0)} \cup (1_{\square}^{+\infty})$

 $\mathbf{C}\square^{(-1}\square^{0)} \overset{\bigcup\ (0}\square^{1)}$

 $D\square^{\left(-\infty\right.\square^{-1}\right)\bigcup\left(1_{\square}^{+\infty}\right)}$

 $2 \square 3 \square^{4} \rceil \square^{Y = \{3} \square 4 \square^{5} \} \square \square^{|(X - Y) \bigcup (Y - X)| = (})$

A∏3

 $B \square 4$

C[]5

D[]6

on one of ^{140}dB on one of the original of ^{60}dB on one of ^{60}dB on ^{60}dB on

 $A\Pi^{10^{\circ}}\Pi$

 $\mathbf{B} \sqcap^{10^{c}} \sqcap$

 $C_{\square}^{10^{l\circ}}$ $D_{\square}^{10^{l\circ}}$

27 \[\text{2021} \] \cdot \[\text{O} \] \[\text{O} \] \[\text{O} \] \[\text{I} \] \[\text

 $f(e^{i} - x)...f(nm \cdot m^{2})_{0000} m_{00000}$ ()

 $A \square 1$

 $\mathbf{B} \square^{\sqrt{2}}$

C□ \sqrt{e}

 $D \sqcap e$

00000006000

$$A\Pi^{\frac{\pi}{4}}$$

$$\mathbf{B}_{\square}^{\frac{\pi}{2}}$$

$$\mathbf{D} \square^{\mathcal{T}}$$

$$\mathsf{A}_{\square} \overset{f(x)}{=}_{\square\square\square\square}$$

$$\mathbf{B}_{\square}^{2\tau}_{\square}^{f(x)}_{\square\square\square}$$

$$C \square f(x) \square^{(0,\pi)} \square \square \square \square$$

D_
$$f(x)$$
_ $(-\pi,\pi)$ _ 2_ 000

ADDO f(x) DDDDDDDDD

CDD-
$$e < k < 0$$

$$\operatorname{Dod}^{X \in [t_0^{+\infty})} \operatorname{d}^{f(X)} = \frac{5}{e^2} \operatorname{d}^{t_0} \operatorname{d}^{t_0}$$

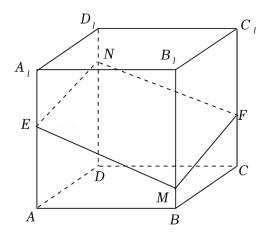
 $\mathsf{DDDD}^{(})$



A____4 _

32002021 \odot 00000000000 $^{ABCD-}$ ARCD 0000 10 E E 0000 AA CC 0000000 EF 0000000 BR O

 $DD_{100} M_{0} N_{0000} BM = X_{0} X \in [0_{0} 1]_{0000000000} ()$



 $A_{\square\square\square}$ $MENF_{\perp}_{\square\square}$ $BDQB_{\square}$

B0000 $M\!E\!N\!F$ 0000000 1

C_____ $MENF_{00000000}[4_04\sqrt{2}]$

Dodd C_1 - $MENF_00000$

 $\bigcirc OM_n \cdot ON_n + 2OP_n^2 = 0 \\ (n \in \mathbb{N}^*) \bigcirc OM_n \bigcirc N_n \bigcirc OM_n \cap I : \sqrt{3}X + y + n^2 + n = 0 \\ OM_n \circ ON_n + 2OP_n^2 = 0 \\ (n \in \mathbb{N}^*) \bigcirc OM_n \cap I : \sqrt{3}X + y + n^2 + n = 0 \\ OM_n \circ ON_n \cap I : \sqrt{3}X + y + n^2 + n = 0 \\ OM_n \circ ON_n \cap I : \sqrt{3}X + y + n^2 + n = 0 \\ OM_n \circ ON_n \cap I : \sqrt{3}X + y + n^2 + n = 0 \\ OM_n \circ ON_n \cap I : \sqrt{3}X + y + n^2 + n = 0 \\ OM_n \circ ON_n \cap I : \sqrt{3}X + y + n^2 + n = 0 \\ OM_n \circ ON_n \cap I : \sqrt{3}X + y + n^2 + n = 0 \\ OM_n \circ ON_n \cap I : \sqrt{3}X + y + n^2 + n = 0 \\ OM_n \circ ON_n \cap I : \sqrt{3}X + y + n^2 + n = 0 \\ OM_n \circ ON_n \cap I : \sqrt{3}X + y + n^2 + n = 0 \\ OM_n \circ ON_n \cap I : \sqrt{3}X + y + n^2 + n = 0 \\ OM_n \circ ON_n \cap I : \sqrt{3}X + y + n^2 + n = 0 \\ OM_n \circ ON_n \cap I : \sqrt{3}X + y + n^2 + n = 0 \\ OM_n \circ ON_n \cap I : \sqrt{3}X + y + n^2 + n = 0 \\ OM_n \circ ON_n \cap I : \sqrt{3}X + y + n^2 + n = 0 \\ OM_n \circ ON_n \cap I : \sqrt{3}X + y + n^2 + n = 0 \\ OM_n \circ ON_n \cap I : \sqrt{3}X + y + n^2 + n = 0 \\ OM_n \circ ON_n \cap I : \sqrt{3}X + y + n^2 + n = 0 \\ OM_n \circ ON_n \cap I : \sqrt{3}X + y + n^2 + n = 0 \\ OM_n \circ ON_n \cap I : \sqrt{3}X + y + n = 0 \\ OM_n \circ ON_n$

A000 OM, 000 ON, 0000 120

 $\mathbf{B} \square^{\mid OP_n \mid = n}$

$$C \square^{a_n = n^2 + 2n}$$

$$D_{00} = \frac{a_{n}}{n+2} \left\{ \frac{2^{b_{n}}}{(2^{b_{n}}-1)(2^{b_{n}+1}-1)} \right\} = n_{000} = 1 - \frac{1}{2^{n+1}-1}$$

$$\textcircled{1}^{d_i \in \{-1_{\square 0 \square} 1\}} i = 1_{\square 2} \dots 50_{\square}$$

$$3^{101}$$
, $(a_1 + 1)^2 + (a_2 + 1)^2 + \dots + (a_{50} + 1)^2$, 111_{\Box}

 $00000000000 \{a_{j}\}_{\Box} a_{j}^{2} + a_{2}^{2} + \dots + a_{\infty}^{2} = K_{0000000} K = \underline{\qquad}$

35002021 $\bigcirc \bullet$ 00000000000 $f(x) = x^2 - 5x_0$

- ① *f(x)* 000000000
- $3 \square y = f(x) \square 6 \square \square \square$
- (a) $|f(x)| = 3\sqrt{2} | 0 | 6 | 0 | 0 |$

 $36002021 \,\, \square \bullet \, 0000000000 \,\, \Delta ABC \,\, 000 \,\, A_{\square} \,\, B_{\square} \,\, C_{\square \square \square \square \square \square \square} \,\, a_{\square} \,\, b_{\square} \,\, c_{\square \square} \,\, 3\vec{a} \,\, = (c + D)(c - D) \,\, 000 \,\, \tan A \cdot \tan B_{\square \square} \,\, \cos ABC \,\, 000 \,\, 000 \,\, \cos ABC \,\, 000 \,\, \cos ABC \,\, 000 \,\,$

 $y = \frac{|X-1|}{|X-1|}$ 41002021 \square • 00000000 D000 1 0000000 f(x) 0000 D00000 0100 f(x) 0000000000 $\frac{\pi}{2}$ 000000000 f 010 00000000 10 0200 f(x) 0000000000 $\frac{\pi}{6}$ 000000000 f 010000000 $\underline{\hspace{0.5cm}}$ $\frac{\sqrt{3}}{2}$ $\frac{\sqrt{3}}{3}$ $\odot \sqrt{3}$ **40** and f(x) - x + m = 0 and $[0 - 5\tau]$ and 3 - 0 - 0 - 0 - 0 = 044nn2021•nnnnnnnn 1n2n3n4n5n6n7n8n9nnnnnnnn 3×3 nnnnnnnnnnnnnnnnnnnnnnnnnnnn

$$f(\frac{X_1 + X_2 + \dots + X_n}{n}) \dots \frac{f(X_1) + f(X_2) + \dots + f(X_n)}{n} \xrightarrow{\square \square \square} n \in N \xrightarrow{X_1 \square X_2 \square \dots \square} X_n \in (a, b) \xrightarrow{\square \square} f(x) = \sin x \xrightarrow{\square \square} f^n(x) = \sin x \xrightarrow{\square} f^n(x) = \cos x \xrightarrow{\square} f^n(x)$$

o *D*oooo ___o

$$a_{k_n} = \cdots = 0 \text{ and } n \in N \text{ and } \frac{a_n}{2k_n - 1} \text{ if } \frac{a_m}{2k_n - 1} (m \in N) = 0 \text{ and } m = 0$$

 $f(\vec{x}) = \begin{cases} 2^{x}, X, 0 \\ \vec{x} - 2ax + a^{2} + a - 1, x > 0 \\ 0 & 0 \end{cases}$

$$\alpha \in (0, \frac{\pi}{2}) \quad \sin \alpha + \cos \alpha = \frac{1}{3}$$

 $y = \tan x$

$$y = \sin(x + \frac{\pi}{6}) \mid 0 \quad 0 \quad 0 \quad 0$$

$$y = \cos^2 x - \sin^2 x + \sin(\frac{\pi}{2} - x)$$

$$f(x) = 3^x$$

$$\bigcirc \bigcirc f(x) \bigcirc (2,3) \bigcirc \bigcirc \bigcirc \bigcirc$$

4
$$0 \times X = 2_{000} f(x)$$

 $\bigcirc \bullet$ 00000000 $\stackrel{f(x)}{R}$ 00000 $\stackrel{f(x)}{R}$ 0 $\stackrel{f(x)$

 $2.39 = 2_{0} [-0.17] = -1_{0000} f(k) = [\cos \frac{2k\tau}{3}](k \in \mathbb{Z})$

$$f(x) = \begin{cases} \frac{1}{2}x + 1, x, 0 \\ \ln x x > 0 \end{cases}$$

$$0 = \begin{cases} \frac{1}{2}x + 1, x, 0 \\ \ln x x > 0 \end{cases}$$

$$0 = \exists x > x_0 \text{ if } (x) = f(x_0) = f(x_0$$

$$57 - 2021 - 000 - P - ABCD - PA + 00 ABCD - ABCD - BAD = 90 - PA = AB = BC = \frac{1}{2}AD = 1 BC / AD - BCD - ABCD - ABCD$$

59002021 0 • 00000000000000000

$$\mathbf{a} \alpha = -5_{0000000}$$

 $\ \, \mathbf{3} \ \, \mathbf{0} \$

60002021
$$\bigcirc \bullet$$
 0000000000 $f(x) = x^2 - (a-1)x + 1_{000} g(x) = (\frac{3a}{4} - 2)x_{000}$

$$0100 \stackrel{d}{=} 40000 \stackrel{\mathcal{Y}}{=} f(\mid X \mid) 000 \stackrel{\mathcal{Y}}{=} g(x) 0000 \stackrel{\blacksquare}{=} 0000$$

$$20000 \stackrel{\mathcal{Y}}{=} f(|\mathcal{X}|)|_{000} \stackrel{\mathcal{Y}}{=} g(\mathcal{X})|_{0000} 6 00000 \stackrel{\mathcal{A}}{=} \underline{\hspace{1cm}}_{0000}$$